



**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

Only for new nonprovisional applications under 37 CFR 1.53(b)

Attorney Docket No. 2343-133-27

First Inventor or Application Identifier Shiquan TAO

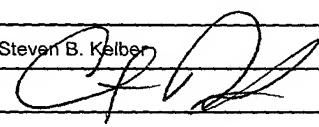
Title OPTICAL FIBER SENSOR HAVING A SOL-GEL FIBER CORE AND A METHOD OF MAKING

10/04/01 S. Pro  
10/04/01  
01/17/02

| APPLICATION ELEMENTS<br><small>See MPEP chapter 600 concerning utility patent application contents</small>   |  | ADDRESS TO: Assistant Commissioner for Patents<br>Box Patent Application<br>Washington, DC 20231  |  |
|--|--|---|--|
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g. PTO/SB/17)<br><small>(Submit an original and a duplicate for fee processing)</small><br><input type="checkbox"/> Applicant claims small entity status.   |  | ACCOMPANYING DOCUMENTS  |  |
| 2. <input checked="" type="checkbox"/> Specification Total Pages <b>34</b>   |  | 6. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))<br>7. <input type="checkbox"/> 37 C.F.R. §3.73(b) Statement <input type="checkbox"/> Power of Attorney<br>8. <input type="checkbox"/> English Translation Document ( <i>if applicable</i> )<br>9. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations<br>10. <input type="checkbox"/> Preliminary Amendment<br>11. <input checked="" type="checkbox"/> White Advance Serial No. Postcard<br>12. <input type="checkbox"/> Certified Copy of Priority Document(s) ( <i>if foreign priority is claimed</i> )<br>13. <input type="checkbox"/> Request for Priority<br>14. <input checked="" type="checkbox"/> List of Inventors' Names and Addresses<br>15. <input type="checkbox"/> Other: |  |
| 3. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) Total Sheets <b>9</b>  |  |   |  |
| 4. <input type="checkbox"/> Oath or Declaration Total Pages <b>      </b><br>a. <input type="checkbox"/> Newly executed (original or copy)<br>b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. §1.63(d))<br><small>(for continuation/divisional with box 16 completed)</small>   |  |   |  |
| 5. <input type="checkbox"/> Incorporation By Reference ( <i>usable if box 4B is checked</i> )<br><small>The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4B, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.</small> |  |   |  |
| 16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below:  |  |   |  |
| <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP)    of prior application no.:   |  |   |  |
| Prior application information: Examiner:   |  | Group Art Unit:   |  |
| 17. Amend the specification by inserting before the first line the sentence:   |  |   |  |
| <input type="checkbox"/> This application is a <input type="checkbox"/> Continuation <input type="checkbox"/> Division <input type="checkbox"/> Continuation-in-part (CIP)<br><small>of application Serial No. Filed on</small>  |  |   |  |
| <input type="checkbox"/> This application claims priority of provisional application Serial No. Filed  |  |   |  |
| 18. CORRESPONDENCE ADDRESS   |  |   |  |
| Supervisor, Patent Prosecution Services<br>PIPER MARBURY RUDNICK & WOLFE LLP<br>1200 Nineteenth Street, N.W.<br>Washington, D.C. 20036-2412<br>Telephone No. (202) 861-3900<br>Facsimile No. (202) 223-2085  |  |   |  |

|           |                        |                  |               |
|-----------|------------------------|------------------|---------------|
| Name      | Steven B. Kelber       | Registration No. | 30,073        |
| Signature |                        | Date             | JAN. 17, 2002 |
| Name      | Christopher W. Raimund | Registration No. | 47,258        |

|  |              |                 |          |  |                        |                                    |                     |                 |                               |  |          |
|--|--------------|-----------------|----------|--|------------------------|------------------------------------|---------------------|-----------------|-------------------------------|--|----------|
| <b>FEE TRANSMITTAL</b>   |              |                 |          |  |                        | Docket No.                         | 2343-133-27         |                 |                               |  |          |
|  |              |                 |          |  |                        | Serial No.                         | New Application     |                 |                               |  |          |
|  |              |                 |          |  |                        | Filing Date                        | Herewith            |                 |                               |  |          |
|  |              |                 |          |  |                        | Inventor(s)                        | Shiquan TAO, et al. |                 |                               |  |          |
|  |              |                 |          |  |                        | Group Art Unit                     |                     |                 |                               |  |          |
| <b>TOTAL AMOUNT OF PAYMENT</b>   |              | \$1,392.00      |          | Examiner   |                        |                                    |                     |                 |                               |  |          |
| <p>1. <input type="checkbox"/> Applicant claims small entity status.</p> <p><input type="checkbox"/> Charge any <u>UNDERPAYMENT</u> or credit any <u>OVERPAYMENT</u> in the indicated fees to Deposit Account No. 50-1442</p> <p><input type="checkbox"/> Charge the indicated fees to Deposit Account No. 50-1442</p> |              |                 |          |  |                        | <b>FEE CALCULATION (continued)</b> |                     |                 |                               |  |          |
|  |              |                 |          |  |                        | <b>3. ADDITIONAL FEES</b>          |                     |                 |                               |  |          |
|  |              |                 |          |  |                        | Large Entity                       | Small Entity        | Fee Description |                               |  |          |
| <p>2. <input checked="" type="checkbox"/> Check enclosed.</p> <p><b>FEE CALCULATION</b></p> <p><b>1. BASIC FILING FEE</b></p>  |              |                 |          |  |                        | Fee Code                           | Fee (\$)            | Fee Code        | Fee (\$)                      | Fee Paid   |          |
|  |              |                 |          |  |                        | 105                                | 130                 | 120             | 65                            | Surcharge-late filing fee or oath                    | \$130.00 |
|  |              |                 |          |  |                        | 127                                | 50                  | 227             | 25                            | Surcharge-late provisional filing fee or cover sheet |          |
|  |              |                 |          |  |                        | 139                                | 130                 | 139             | 130                           | Non-English specification                            |          |
| Large Entity   | Small Entity | Fee Description |          |  |                        |                                    |                     |                 |                               |  |          |
| Fee Code   | Fee (\$)     | Fee Code        | Fee (\$) | Fee Paid   | 147                    | 2520                               | 147                 | 2520            | Ex parte reexam fee           |  |          |
| 101  | 740          | 201             | 370      | Utility filing fee                                       | \$740.00               | 115                                | 110                 | 215             | 155                           | 1-mo ext of time                                     |          |
| 106  | 330          | 205             | 165      | Design filing fee  |                        | 116                                | 400                 | 216             | 200                           | 2-mo ext of time                                     |          |
| 107  | 510          | 207             | 255      | Plant filing fee   |                        | 117                                | 920                 | 217             | 460                           | 3-mo ext of time                                     |          |
| 108  | 740          | 208             | 370      | Reissue filing fee                                       |                        | 118                                | 1440                | 218             | 720                           | 4-mo ext of time                                     |          |
| 114  | 160          | 214             | 80       | Provisional filing fee                                   |                        | 128                                | 1960                | 228             | 980                           | 5-mo ext of time                                     |          |
| <b>SUBTOTAL (1)</b>  |              |                 |          | \$740.00   | 119                    | 320                                | 219                 | 160             | Notice of Appeal              |  |          |
| <p><b>2. EXTRA CLAIM FEES</b></p> <p>tot. claims 49 - 20* = 29 x \$18 = 522</p> <p>ind. claims 3 - 3* = 0 x \$84 = 0</p> <p><input type="checkbox"/> Multiple Dependent Claims \$280 = 143</p>   |              |                 |          |  |                        | 120                                | 320                 | 220             | 160                           | Appeal Brief   |          |
|  |              |                 |          |  |                        | 121                                | 280                 | 221             | 140                           | Request for Oral Hearing                             |          |
|  |              |                 |          |  |                        | 122                                | 130                 | 122             | 130                           | Utility/Reissue Issue Fee                            |          |
|  |              |                 |          |  |                        | 126                                | 180                 | 126             | 180                           | Design Issue Fee                                     |          |
| Large Entity   | Small Entity | Fee Description |          |  | 144                    | 620                                | 244                 | 310             | Plant Issue Fee               |  |          |
| Fee Code   | Fee (\$)     | Fee Code        | Fee (\$) | Fee Paid   | 122                    | 130                                | 122                 | 130             | Petitions to the Commissioner |  |          |
| 103  | 18           | 203             | 9        | Claims in excess of 20                                   | 126                    | 180                                | 126                 | 180             | IDS Submission                |  |          |
| 102  | 84           | 202             | 42       | Independent claims in excess of 3                        | 581                    | 40                                 | 581                 | 40              | Assignment                    |  |          |
| 104  | 280          | 204             | 140      | Multiple dependent claim, if not paid                    | 179                    | 740                                | 279                 | 370             | For Filing RCE                |  |          |
| 109  | 84           | 205             | 42       | *Reissue independent claims over original patent         | 169                    | 900                                | 169                 | 900             | Expedited Design              |  |          |
| 110  | 18           | 210             | 9        | *Reissue claims in excess of 20 and over original patent | OTHER (indicate below) |                                    |                     |                 |                               |  |          |
| <b>SUBTOTAL (2)</b>  |              |                 |          | \$522.00   |                        |                                    |                     |                 |                               |  |          |
| * or number previously paid, if greater, For Reissues, see above   |              |                 |          |  |                        | <b>SUBTOTAL (3)</b>                |                     |                 |                               | \$130.00   |          |

|           |   |  |  |                  |               |
|-----------|---|--|--|------------------|---------------|
| Name      | Steven B. Kelber  |  |  | Registration No. | 30,073        |
| Signature |  |  |  | Date             | JAN. 17, 2002 |
| Name      | Christopher W. Raimund  |  |  | Registration No. | 47,258        |

DOCKET NO. 2343-133-27

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Shiquan TAO, et al.

ART UNIT:

SERIAL NO.: New Application

EXAMINER:

FILING DATE: Herewith

FOR: OPTICAL FIBER SENSOR USING TAILORED SOL-GEL FIBER CORE AND A  
METHOD OF MAKING

**LIST OF INVENTORS' NAMES AND ADDRESSES**

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

SIR:

Listed below is the name and address of the inventor for the above-identified patent application.

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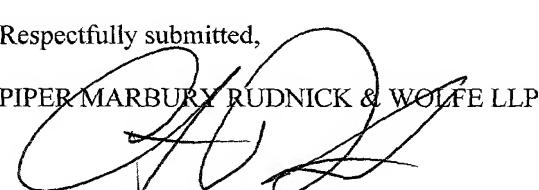
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A declaration containing all the necessary information will be submitted at a later date.

Respectfully submitted,

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